

CLAIMS

I claim:

1. A candle comprising a meltable solid fuel element, a heat conductive melting plate upon which said fuel element rests, and a capillary lobe located on said melting plate which cooperatively engages the base portion of a wick holder comprising a wick, said wick holder conducting heat from a flame upon said wick to said capillary lobe and to said melting plate, said wick holder engaging said meltable solid fuel element.

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2. The candle of claim 1, wherein said fuel element further comprises one or more volatile active materials.

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3. The candle of claim 2, wherein said wick holder further comprises at least one heat conductive heat fin.

4. The candle of claim 3, wherein said meltable solid fuel element comprises a replaceable fuel element cooperatively engaging said heat conductive melting plate, capillary lobe, and wick holder.

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5. The candle of claim 4, wherein the replaceable fuel element further comprises a starter bump on the top surface thereof, in close proximity to said wick, for ease of lighting said wick.

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6. A candle as set forth in Claim 3, wherein said melting plate further comprises a raised heat conductive portion by which heat is conducted from a flame upon said wick to said melting plate and to said solid fuel element, whereby a pool of heated liquid fuel is created, said melting plate being configured to cause the flow of said heated liquid fuel toward said wick holder.

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7. The melting plate candle of claim 1, wherein said wick holder is configured so as to cause said candle to rapidly burn out if said wick holder is not cooperatively engaged with said capillary lobe.

5 8. The melting plate candle of claim 1, wherein said melting plate is treated so as to be self cleaning.

9. A candle comprising a meltable solid fuel, a support plate upon which said fuel rests, and a capillary lobe located on said support plate which cooperatively
10 engages the base portion of a wick holder comprising a wick, said wick holder conducting heat from a flame upon said wick to said capillary lobe and said support plate, and said wick holder engaging said meltable solid fuel.

10. The candle of claim 9, wherein said wick holder further comprises at least
15 one heat conductive heat fin.

11. The candle of claim 10, wherein said meltable solid fuel comprises a replaceable fuel element cooperatively engaging said support plate, capillary lobe, and wick holder.

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12. The candle of Claim 10, wherein said support plate further comprises a heat conductive portion by which heat is conducted from a flame upon said wick to said solid fuel element, whereby a pool of heated liquid fuel is created, said support plate being configured to cause the flow of said heated liquid fuel toward
25 said wick holder.

13. The candle of claim 9, wherein said support plate is treated so as to be self cleaning.

14. A candle consisting of a fuel holder comprising a heat conductive surface shaped to hold and melt a solid fuel material included in a replaceable solid fuel element further comprising a wick holder including a wick and heat fins, and to form a pool of liquid fuel, said surface further comprising a capillary lobe which
5 cooperatively engages said wick holder, wherein said heat fins are configured so as to come in close proximity to a flame on said wick so as to conduct heat from said flame to said surface, and wherein said surface is shaped so as to cause said pool of liquid fuel to flow to said wick.

10 15. The candle of claim 14, wherein said replaceable fuel element is configured to cooperatively engage said surface.

16 The candle of claim 14, wherein said replaceable fuel element further comprises one or more volatile active materials.

15 17 The candle of claim 14, wherein the replaceable fuel element further comprises a starter bump on the top surface thereof, in close proximity but not in contact with said wick for ease of lighting said wick, and wherein the temperature of said pool of liquid fuel exceeds a temperature of about 170° F. at a point
20 about 10 mm from said wick, and about 140° F at a point about 20 mm from said wick, within less than about 10 minutes of lighting said wick..

18 The candle of Claim 15, wherein said heat conductive surface further comprises raised heat conductive areas.

25 19. The candle of claim 14, wherein said heat conductive surface is treated so as to be self cleaning.

20. A replaceable fuel element for a melting plate candle, said fuel element comprising a solid fuel material cooperatively engaging a wick holder comprising a wick, said wick holder configured so as to cooperatively engage a capillary lobe on said melting plate candle.

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21. The fuel element of claim 20, further comprising a volatile material.

22. The fuel element of claim 21, wherein said fuel element further comprises a starter bump on the top surface thereof in close proximity to said wick for ease
10 in lighting said wick.

23. The fuel element of claim 20, wherein said fuel element is configured so as to be self extinguishing when not engaged by said capillary lobe on said melting plate candle.

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24. The fuel element of claim 20, wherein said wick holder further comprises at least one heat fin.

25. A wick holder comprising means to engage a wick, and a base portion
20 configured so as to engage a capillary lobe upon a candle support plate in such a manner as to permit capillary flow of melted fuel from said support plate to said wick.

26. The wick holder of claim 25, wherein said wick is engaged in such a manner as to terminate the lower end of said wick at a point at least about 0.25
25 inches above said support plate.

27. The wick holder of claim 26, further comprising at least one heat conductive fin.

28. The wick holder of claim 26, wherein a flame upon said wick causes melting of fuel, said melted fuel flows to said support plate, said flame upon said wick heats said support plate, and said fuel flows by capillary action between said capillary lobe and said base portion of said wick holder to said wick.